



Issuance Date: September 5, 2002
Effective Date: October 1, 2002
Expiration Date: June 30, 2006

STATE WASTE DISCHARGE PERMIT

State of Washington
DEPARTMENT OF ECOLOGY
Olympia, Washington 98504-7775

In compliance with the provisions of
Chapter 90.48 RCW, as amended,
and Chapter 173-216 WAC, as amended

Rainbow Valley Landfill, Inc.
Rt. 2 Box 300 C
Raymond, Washington 98577

Facility Location:

Highway 105
Raymond, Washington 98577

Receiving Water:

City of Raymond Wastewater Treatment Facility
that discharges to Willapa River

Water Body I.D. No.:

WA-22-0030

Discharge Location:

Latitude: 46° 41' 23" N
Longitude: 123° 44' 42" W

Industry Type:

Closed Municipal Solid Landfill

is authorized to discharge in accordance with
the special and general conditions which follow.

Kelly Susewind, P.E.
Southwest Region Supervisor
Water Quality Programs
Washington State Department of Ecology

TABLE OF CONTENTS

	<u>Page</u>
SUMMARY OF SCHEDULED PERMIT REPORT SUBMITTALS	4
SPECIAL CONDITIONS	
S1. Effluent Limitations Of Landfill Leachate Discharge	5
S2. Testing Schedule Of Landfill Leachate Discharge	6
S3. Monitoring and Reporting	7
A. Reporting	
B. Records Retention	
C. Recording of Results	
D. Representative Sampling	
E. Test Procedures	
F. Flow Measurement	
G. Laboratory Accreditation	
H. Additional Monitoring by the Permittee	
I. Signatory Requirements	
S4. Prohibited Discharges	9
A. General Prohibitions	
B. Specific Prohibitions	
C. Prohibited Unless Approved	
D. Landfill Leachate Discharge To Waters Of The State	
S5. Dilution Prohibited	10
S6. Upsets	11

GENERAL CONDITIONS

G1.	Discharge Violations	12
G2.	Proper Operation and Maintenance.....	12
G3.	Reduced Production for Compliance	12
G4.	Noncompliance Notification	12
G5.	Right of Entry	13
G6.	Permit Modifications	13
G7.	Plan Review Required	13
G8.	Payment of Permit Fees.....	13
G9.	Permit Termination.....	13
G10.	Permit Reopener	14
G11.	Compliance With Other Laws and Statutes	14
G12.	Removed Substances	14
G13.	Permit Transfer	14
G14.	Duty to Reapply	14

SUMMARY OF SCHEDULED PERMIT REPORT SUBMITTALS

Permit Section	Submittal	Frequency	First Submittal Date
S3.	Discharge Monitoring Report (DMR)	Quarterly	*January 15, 2003
S3.I.3	Notice of Change in Authorization	As needed	
G4.	Potential Actual Noncompliance	As needed	
G7.	Application for Permit Modification	As needed	
G17.	Application for Permit Renewal	1/permit cycle	180 days before permit expiration

* Quarterly monitoring reports are to be submitted by the 15th day of the month in January, April, July, and October.

SPECIAL CONDITIONS

S1. EFFLUENT LIMITATIONS OF LANDFILL LEACHATE DISCHARGE

Beginning on the effective date of this permit and lasting through the date that local limits are developed, the Permittee is authorized to discharge landfill leachate to the City of Raymond Wastewater Treatment Facility subject to meeting the following limitations:

	EFFLUENT LIMITATIONS	
Parameter	Average Monthly^a	Maximum Daily^b
Total Suspended Solids (TSS)		300 mg/L
Oil and Grease		100 milligrams per liter (mg/l) ^c
pH		5.5 -- 8.5 standard units
5-Day Biochemical Oxygen Demand (BOD ₅)		300 mg/l
Flow	40,000 gallons per day (gpd)	50,000 gpd
^a The average monthly effluent limitation is defined as the highest allowable average of daily discharges over a calendar month, calculated as the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.		
^b The maximum daily effluent limitation is defined as the highest allowable daily discharge.		
^c City of Raymond Wastewater Treatment Facility effluent limit.		

S2. TESTING SCHEDULE OF LANDFILL LEACHATE DISCHARGE

Monthly and Daily Monitoring

Beginning on the effective date of the permit and lasting through the expiration date, the Permittee shall monitor the wastewater according to the following schedule:

Tests	Sample Point	Sampling Frequency	Sample Type
pH (pH units)	Sump at the pump station	Quarterly	Grab
5-Day Biochemical Oxygen Demand (BOD ₅) (mg/l)	Sump at the pump station	Quarterly	Grab
Flow (gpd)	By truck count	Daily	Measured
Ammonia	Sump at the pump station	Quarterly	Grab
Total Suspended Solids (TSS) (mg/l)	Sump at the pump station	Quarterly	Grab

S3. MONITORING AND REPORTING

The Permittee shall monitor and report in accordance with the following conditions.

A. Reporting

Monitoring results obtained during the previous quarter shall be summarized and reported on a form provided, or otherwise approved, by the Department, to be submitted no later than the 15th day of the month following the completed reporting period, unless otherwise specified in this permit. The report(s) shall be sent to the Permit Coordinator, Department of Ecology, Southwest Regional Office, Post Office Box 47775, Olympia, Washington 98504-7775. Monitoring results obtained during the quarter shall be summarized on the Discharge Monitoring Report (DMR) Form (EPA 3320-1) or any other form approved by the Department.

B. Records Retention

The Permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years. This period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Permittee or when requested by the Director.

C. Recording of Results

For each measurement or sample taken, the Permittee shall record the following information: (1) the date, exact place and time of sampling; (2) the individual who performed the sampling or measurement; (3) the dates the analyses were performed; (4) who performed the analyses; (5) the analytical techniques or methods used; and (6) the results of all analyses.

D. Representative Sampling

Samples and measurements taken to meet the requirements of this permit shall be representative of the volume and nature of the monitored discharge, including representative sampling of any unusual discharge or discharge condition, including bypasses, upsets and maintenance-related conditions affecting effluent quality.

E. Test Procedures

All sampling and analytical methods used to meet the monitoring requirements specified in this permit shall conform to the *Guidelines Establishing Test Procedures for the Analysis of Pollutants* contained in 40 CFR Part 136, unless otherwise specified in this permit or approved in writing by the Department.

F. Flow Measurement

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated, and maintained to ensure that the accuracy of the measurements are consistent with the accepted industry standard for that type of device. Frequency of calibration shall be in conformance with manufacturer's recommendations or at a minimum frequency of at least one calibration per year. Calibration records should be maintained for a minimum of three years.

G. Laboratory Accreditation

All monitoring data, except for flow, temperature, settleable solids, conductivity, pH, and internal process control parameters, shall be prepared by a laboratory registered or accredited under the provisions of, Accreditation of Environmental Laboratories, Chapter 173-50 WAC. Conductivity and pH shall be accredited if the laboratory must otherwise be registered or accredited. Soils and hazardous waste data are exempted from this requirement pending accreditation of laboratories for analysis of these media by the Department.

H. Additional Monitoring by the Permittee

If the Permittee monitors any pollutant more frequently than required by this permit (S2.) using test procedures specified by Condition S3.E. of this permit, then the results of this monitoring shall be included in calculation and reporting of the data submitted in the Permittee's self-monitoring reports.

I. Signatory Requirements

All applications, reports, or information submitted to the Department shall be signed and certified.

1. All permit applications shall be signed by either a principal executive officer of at least the level of vice president of a corporation, a general partner of a partnership, or the proprietor of a sole proprietorship.
2. All reports required by this permit and other information requested by the Department shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:
 - a. The authorization is made in writing by a person described above and submitted to the Department, and
 - b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility, such as the position of plant manager, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.)

3. Changes to authorization. If an authorization under paragraph I.2.b is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of I.2.b must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.
4. Certification. Any person signing a document under this section shall make the following certification:

"I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for willful violations."

S4. PROHIBITED DISCHARGES

The Permittee shall comply with these General and Specific Prohibitions.

A. General Prohibitions

The Permittee shall not introduce into the POTW pollutant(s) which cause:

1. Pass through, or
2. Interference.

B. Specific Prohibitions

In addition, the following shall not be introduced into the POTW:

1. Pollutants which create a fire or explosion hazard in the POTW, including, but not limited to, waste streams with a closed cup flashpoint of less than 60°C (140°F) using the test methods specified in 40 CFR 261.21.
2. Pollutants which will cause corrosive structural damage to the POTW;
3. Solid or viscous pollutants in amounts which will cause obstruction to the flow in the POTW resulting in interference;
4. Any pollutant, including oxygen demanding pollutants (BOD, etc.), released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW;
5. Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems;

6. Any trucked or hauled pollutants, except at discharge points designated by the POTW.

C. Prohibited Unless Approved

Any of the following discharges are prohibited unless approved by the Department under extraordinary circumstances (such as a lack of direct discharge alternatives due to combined sewer service or a need to augment sewage flows due to septic conditions):

1. Noncontact cooling water in significant volumes.
2. Storm water and other direct inflow sources.
3. Wastewaters significantly affecting system hydraulic loading, which do not require treatment or would not be afforded a significant degree of treatment by the system.

D. Landfill Leachate Discharge To Waters Of The State

The Permittee shall not allow landfill leachate to enter state waters without providing all known, available and reasonable methods of treatment, nor allow such leachate to cause violations of the State Surface Water Quality Standards, Chapter 173-201A WAC, or the State Ground Water Quality Standards, Chapter 173-200 WAC. The Permittee shall apply for a permit or permit modification as may be required for such discharges to state ground or surface waters.

S5. DILUTION PROHIBITED

The Permittee shall not dilute the wastewater discharge with stormwater or increase the use of potable water, process water, noncontact cooling water, or, in any way, attempt to dilute an effluent as a partial or complete substitute for adequate treatment to achieve compliance with the limitations contained in this permit.

S6. UPSETS

If for any reason, the Permittee does not comply with, or will be unable to comply with, any of the discharge limitations or other conditions specified in the permit, the Permittee shall, at a minimum, provide the Department and the local sewage treatment plant manager with the following information:

- A. A description of the nature and cause of noncompliance, including the quantity and quality of any unauthorized waste discharges;
- B. The period of noncompliance, including exact dates and times and/or the anticipated time when the Permittee will return to compliance; and
- C. The steps taken, or to be taken, to reduce, eliminate, and prevent recurrence of the noncompliance.

In the case of any discharge subject to any applicable toxic pollutant effluent standard under Section 307(a) of the Clean Water Act, or which could constitute a threat to human health, welfare, or the environment, 40 CFR Part 403.16 requires that the information specified in Sections S9.A., B., and C., above, shall be provided not later than 24 hours from the time the Permittee becomes aware of the circumstances. If this information is provided orally, a written submission covering these points shall be provided within five days of the time the Permittee becomes aware of the circumstances, unless the Department waives or extends this requirement on a case-by-case basis.

All other requirements of 40 CFR 403.16 (Upset Provisions) are incorporated in this permit by reference.

GENERAL CONDITIONS

G1. DISCHARGE VIOLATIONS

The Permittee shall at all times be responsible for continuous compliance with the terms and conditions of this permit. Failure to comply with the terms and conditions of this permit constitutes a violation of RCW 90.48.144. Such violations may result in orders, directives or penalties being issued by the Department.

G2. PROPER OPERATION AND MAINTENANCE

The Permittee shall at all times be responsible for the proper operation and maintenance of any facilities or systems of control installed to achieve compliance with the terms and conditions of the permit. Where design criteria have been established, the Permittee shall not permit flows or waste loadings to exceed approved design criteria.

G3. REDUCED PRODUCTION FOR COMPLIANCE

The Permittee shall control production or discharge to the extent necessary to maintain compliance with the terms and conditions of this permit upon reduction of efficiency, loss, or failure of its treatment facility until the treatment capacity is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power for the treatment facility is reduced, lost, or fails.

G4. NONCOMPLIANCE NOTIFICATION

In the event the Permittee is unable to comply with any of the permit terms and conditions due to any cause, the Permittee shall:

- A. Immediately take action to stop, contain, and cleanup unauthorized discharges or otherwise stop the violation, and correct the problem;
- B. Immediately notify the Department of the failure to comply; and
- C. Submit a detailed written report to the Department within 30 days, unless requested earlier by the Department, describing the nature of the violation, corrective action taken and/or planned, steps to be taken to prevent a recurrence, and any other pertinent information.

Compliance with these requirements does not relieve the Permittee from responsibility to maintain continuous compliance with the terms and conditions of this permit or the resulting liability for failure to comply.

G5. RIGHT OF ENTRY

Representatives of the Department shall have the right to enter at all reasonable times in or upon any property, public or private, for the purpose of inspecting and investigating conditions relating to the pollution or the possible pollution of any waters of the state. Reasonable times shall include normal business hours; hours during which production, treatment, or discharge occurs; or times when the Department suspects a violation requiring immediate inspection. Representatives of the Department shall be allowed to have access to, and copy at reasonable cost, any records required to be kept under terms and conditions of the permit; to inspect any monitoring equipment or method required in the permit; and to sample the discharge, waste treatment processes, or internal waste streams.

G6. PERMIT MODIFICATIONS

The Permittee shall submit a new application, or a supplement to the previous application, along with required engineering reports and engineering plans and specifications, whenever a new or increased discharge or change in the nature of the discharge is anticipated which is not specifically authorized by this permit. The application shall be submitted at least 60 days prior to any proposed changes. Submission of the application does not relieve the Permittee of the duty to comply with the existing permit until it is modified or reissued.

G7. PLAN REVIEW REQUIRED

Prior to constructing or modifying any wastewater control facilities, an engineering report and engineering plans and specifications shall be submitted to the Department for approval in accordance with Chapter 173-240 WAC. Facilities shall be constructed and operated in accordance with the approved plans.

G8. PAYMENT OF PERMIT FEES

The Permittee shall pay the required wastewater discharge permit fees assessed in accordance with Chapter 173-224 WAC. The Department may terminate this permit for nonpayment of fees or late-payment penalties.

G9. PERMIT TERMINATION

A permit shall be subject to termination upon 30 days notice in writing if the Department finds:

- A. That it was procured by misrepresentation of any material fact or by lack of full disclosure in the application;
- B. That there has been a violation of the conditions thereof; or
- C. That a material change in quantity or type of waste disposal exists.

G10. PERMIT REOPENER

This permit may be modified in whole or in part for the following causes:

- A. Violation of any permit term or condition;
- B. Obtaining a permit by misrepresentation or failure to fully disclose all relevant facts;
- C. A material change in quantity or type of waste disposal; or
- D. A material change in the condition of the waters of the state affected by this permit.

The Department may also modify this permit, including the schedule of compliance or other conditions, if it determines good and valid cause exists, including promulgation or revisions of categorical standards.

G11. COMPLIANCE WITH OTHER LAWS AND STATUTES

Nothing in the permit shall be construed as excusing the Permittee from compliance with any applicable federal, state, or local statutes, ordinances, or regulations.

G12. REMOVED SUBSTANCES

Collected screenings, grit, solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall not be resuspended or reintroduced to the effluent stream for discharge.

G13. PERMIT TRANSFER

This permit is automatically transferred to a new owner or operator if:

- A. A written agreement between the old and new owner or operator containing a specific date for transfer of permit responsibility, coverage, and liability is submitted to the Department; and
- B. The Department does not notify the Permittee of the need to modify the permit.

Unless this permit is automatically transferred according to section A. above, this permit may be transferred only if it is modified to identify the new Permittee and to incorporate such other requirements as determined necessary by the Department.

G14. DUTY TO REAPPLY

The Permittee must reapply, for permit renewal, at least 60 days prior to the specified expiration date of this permit.